APPENDIX D

SUMMARIZED INVENTORY OF CORPS OF ENGINEERS

BREAKWATERS AND JETTIES

D-1. The Corps of Engineers (Corps) presently maintains and operates over 600 breakwaters and jetties. The geographical distribution of these structures is summarized in the following tables. Structure types and total lengths by districts within each major coastal area are presented.

Table D-1.   Summary of Breakwater and Jetty Types Located on the
             Pacific Coast

Total Length, Ft, for Indicated Type of Structure

District	Rubble-mound	Timber Pile	Floating	Concrete Panel Wall	Concrete Gravity Structure
Alaska	29,700	1,500	1,100	--	600
Seattle	71,000	7,700	600	--	--
Portland	152,000	--	--	--	--
San Francisco	42,600	--	--	800	--
Los Angeles	108,00	--	--	--	--
Honolulu	12,000	--	--	--	--
Total	415,300	9,200	1,700	800	600

Table D-2.   Summary of Breakwater and Jetty Types Located on the
             Gulf Coast

Total Length, Ft, for Indicated Type of Structure

District	Rubble-mound	Sheet Pile Wall	Concrete Panel Wall	Concrete Gravity
Galveston	169,400	--	1,000	6,600
New Orleans	184,000	--	--	--
Mobile	24,300	--	--	--
Jacksonville	--	1,400	--	--
Total	377,700	1,400	1,000	6,600

Table D-3. Summary of Breakwater and Jetty Types
Located on the Atlantic Coast

Total Length, Ft, for Indicated Type of Structure

District	Rubble-mound	Timber Pile	Timber Crib	Steel Sheet Pile wall
New England	39,700	3,900	500	500
New York	18,000	--	--	--
Philadelphia	27,100	600	23,800	--
Baltimore	21,600	--	--	--
Norfolk	4,600	700	--	--
Charleston	66,700	--	--	--
Wilmington	10,400	3,800	--	--
Jacksonville	22,400	--	--	--
Total	210,500	9,000	24,300	500

Table D-4. Summary of Breakwater and Jetty Types Located on the
Great Lakes

Total Length, Ft, for Indicated Type of Structure

District	Rubble-mound	Timber Pile	Timber Crib	Steel Wall	Sheet Cell	Pile Bin	Concrete Crib	Caisson
Buffalo	74,000	--	74,100	--	9,500	1,900	--	--
Detroit	54,000	500	82,600	7,900	5,500	3,200	--	--
Chicago	19,800	--	66,900	--	7,200	--	800	19,800
Total	147,800	500	223,600	7,900	22,200	5,100	800	19,800